EPA WORK ASSIGNMENT NO.: 076-2JZZ

EPA CONTRACT NO.: 68-W8-0110

FOSTER WHEELER ENVIRONMENTAL CORPORATION

ARCS II PROGRAM

FINAL
SITE INSPECTION PRIORITIZATION (SIP)
BROCKWAY MOTOR TRUCK SITE
CORTLAND
CORTLAND COUNTY, NEW YORK
CERCLIS NO: NYD980203111

SEPTEMBER 1995

**VOLUME II OF II** 

#### NOTICE

THE INFORMATION PROVIDED IN THIS DOCUMENT HAS BEEN FUNDED BY THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (USEPA) UNDER ARCS II CONTRACT NO. 68-W8-0110 TO FOSTER WHEELER ENVIRONMENTAL CORPORATION (FORMERLY EBASCO SERVICES INCORPORATED). THIS DOCUMENT HAS BEEN FORMALLY RELEASED BY FOSTER WHEELER ENVIRONMENTAL CORPORATION TO THE USEPA. THIS DOCUMENT DOES NOT REPRESENT, HOWEVER, THE USEPA POSITION OR POLICY, AND HAS NOT BEEN FORMALLY RELEASED BY THE USEPA.

#### RECOMMENDATIONS

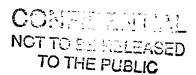
The overall score for the Brockway Motor Trucks site is 1.20 based on a potential-to-release to groundwater, and surface water pathways. The soil exposure pathway was not evaluated as there are no areas of observed contamination. The air pathway was not evaluated as the source identified at the site is covered by a building which precludes the release of gas and/or particulate.

The groundwater pathway score is 2.40, evaluated on a potential-to-release basis. The on-site monitoring wells that were sampled in 1987 by NUS indicate contamination of lead in the groundwater. However, QA/QC data is not available to document an observed release.

The surface water pathway score is 0.03, based on the groundwater to surface water component. The pathway was evaluated on a potential-to-release basis. Surface water flow is toward the Tioughnioga River which is located approximately 1/2 mile east of the site. The primary surface water targets include wetlands and fisheries. There are no surface water intakes within the 15 mile TDL. The potential area of observed contamination is underneath an asphalt cover and the surface water runoff will not come in contact with the contaminated soil, eliminating the overland flow component of the surface water pathway.

A sensitivity analysis was performed in order to determine how different scenarios would affect the site score and to assess the possibility of an observed release and actual contamination of targets. Only the groundwater and surface water pathways were considered in the exercise. The air pathway was not included due to a lack of documented air releases. The soil exposure pathway was not included in the sensitivity analysis since there are no targets available due to the presence of a building over the source area. The following scenarios were evaluated:

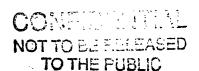
- I) If there is a Level I release of 1,1,1-TCA to the groundwater at one of the on-site monitoring wells the groundwater pathway score would increase to 5.73 and the overall site score would increase to 2.87. If this were to occur, it would not be of concern in overall HRS scoring, as this falls below the required 28.5.
- II) If there is a Level I release of 1,1,1,-TCA which is attributable to the Brockway Motor Truck site, 240 people (approximately 90 wells, 2.66 people/well) utilizing contaminated groundwater wells would be required in order to bring the groundwater pathway score to 57.20 and the overall site score to 28.60. A total of 8,400 people (approximately 3,158 wells, 2.66/well) exposed to a Level II observed release would be required in order to bring the groundwater pathway score to 59.03 and the overall site score to 29.52. This scenario is unlikely. Groundwater samples collected showed no detectable levels of 1,1,1-TCA. In addition, documenting Level I or Level II contamination to 90 or 3,158 wells would be practically impossible. In addition, attribution of 1,1,1-TCA contamination to the site would be difficult to establish as another source of 1,1,1-TCA exists in the vicinity of the site.



III) If there is an observed release of 1,1,1-TCA to the human food chain targets of the surface water pathway via the groundwater to surface water component, the surface water pathway would increase to 0.04 and the overall site score would not change. 1,1,1-TCA Bioaccumulation Potential Factor Value (BPFV) is less than 500.

If an observed release of 1,1,1-TCA is established, via the groundwater to surface water component, for the nearest wetland land located approximately 2.44 miles downstream of the PPE, the surface water pathway source would increase to 1.27 and the overall site score to 1.36. This scenario is not likely to occur. The dilution weight factors would minimize the likelihood of establishing an observed release to the nearest wetland. The flow rate of the river is 498 cfs.

Based on the existing information and the sensitivity analysis, a finding of No Further Remedial Action Planned (NFRAP) is recommended for the Brockway Motor Trucks site.



#### PAGE:

1

#### Record Information

- Site Name: Brockway Motor Trucks (as entered in CERCLIS)
- 2. Site CERCLIS Number: NYD980203111
- 3. Site Reviewer: Jeff Martin
- 4. Date: August 1995
- 5. Site Location: Cortland (Cortland County), New York (City/County, State)
- 6. Congressional District: 25
- 7. Site Coordinates: Single

Latitude: 76 10'20.0" Longitude: 42 36'00.

#### Site Description

- 1. Setting: Urban
- Current Owner: County
- 3. Current Site Status: Active
- 4. Years of Operation: Inactive Site, from and to dates: 1950 to 1975
- 5. How Initially Identified: CERCLA Notification
- 6. Entity Responsible for Waste Generation:
  - Manufacturing
    - Fabr. Struc. Metal Prod.
    - Other Manufacturing
- 7. Site Activities/Waste Deposition:
  - Other Injection System
  - Drum/Container Storage
  - Tanks Above Ground
  - Tanks Below Ground

#### PAGE:

### Waste Description

- 8. Wastes Deposited or Detected Onsite:
  - Organic Chemicals
  - Inorganic Chemicals
  - Solvents
  - Acids/Bases
  - Paints/Pigments

### Response Actions

- 9. Response/Removal Actions:
  - Other Removal Action Has Occurred

#### RCRA Information

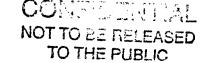
- 10. For All Active Facilities, RCRA Site Status:
  - Not Applicable

### Demographic Information

- 11. Workers Present Onsite: Yes
- 12. Distance to Nearest Non-Worker Individual: > 10 Feet 1/4 Mile
- 13. Residential Population Within 1 Mile: 13537.0
- 14. Residential Population Within 4 Miles: 29756.0

#### Water Use Information

- 15. Local Drinking Water Supply Source:
  - Ground Water (within 4 mile distance limit)
- 16. Total Population Served by Local Drinking Water Supply Source: 29700.0



PAGE:

- 17. Drinking Water Supply System Type for Local Drinking Water Supply Sources:
  - Municipal (Services over 25 People)
  - Private
- 18. Surface Water Adjacent to/Draining Site:
  - River

### PREscore 3.0 - PRESCORE.TCL File 07/25/94 GROUND WATER MIGRATION PATHWAY SCORESHEET Brockway Motor Trucks - 09/19/95

GROUND WATER MIGRATION PATHWAY Factor Categories & Factors	Maximum Value	Value Assigned
Likelihood of Release to an Aquifer Aquifer: Fill/Shallow Outwash		
1. Observed Release 2. Potential to Release 2a. Containment 2b. Net Precipitation 2c. Depth to Aquifer 2d. Travel Time 2e. Potential to Release [lines 2a(2b+2c+2d)]	550 10 10 5 35	0 10 6 5 35
3. Likelihood of Release Waste Characteristics	550	460
4. Toxicity/Mobility 5. Hazardous Waste Quantity 6. Waste Characteristics Targets	* * 100	1.00E-02 10 1
7. Nearest Well 8. Population 8a. Level I Concentrations 8b. Level II Concentrations 8c. Potential Contamination 8d. Population (lines 8a+8b+8c) 9. Resources 10. Wellhead Protection Area 11. Targets (lines 7+8d+9+10) 12. Targets (including overlaying aquifers) 13. Aquifer Score	50  **  **  **  50  **  **  50  **  100	2.00E+01 0.00E+00 0.00E+00 4.05E+02 4.05E+02 5.00E+00 0.00E+00 4.30E+02 4.30E+02 2.40
GROUND WATER MIGRATION PATHWAY SCORE (Sgw)	100	2.40

<sup>\*</sup> Maximum value applies to waste characteristics category.

<sup>\*\*</sup> Maximum value not applicable.

#### PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT SCORESHEET Brockway Motor Trucks - 09/19/95

SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT Factor Categories & Factors DRINKING WATER THREAT	Maximum Value	Value Assigned
Likelihood of Release		
1. Observed Release	550	0
2. Potential to Release by Overland Flow 2a. Containment 2b. Runoff 2c. Distance to Surface Water 2d. Potential to Release by Overland Flow [lines 2a(2b+2c)]	10 25 25 500	9 0 6 54
3. Potential to Release by Flood 3a. Containment (Flood) 3b. Flood Frequency 3c. Potential to Release by Flood (lines 3a x 3b)	10 50 500	0 0 0
4. Potential to Release (lines 2d+3c) 5. Likelihood of Release	500 550	54 54
Waste Characteristics		
6. Toxicity/Persistence 7. Hazardous Waste Quantity 8. Waste Characteristics	* * 100	4.00E-01 10 1
Targets		
9. Nearest Intake 10. Population	50	0.00E+00
10a. Level I Concentrations 10b. Level II Concentrations	**	0.00E+00 0.00E+00
10c. Potential Contamination	**	0.00E+00
10d. Population (lines 10a+10b+10c)	**	0.00E+00
11. Resources 12. Targets (lines 9+10d+11)	5 . **	5.00E+00 5.00E+00
13. DRINKING WATER THREAT SCORE	100	0.00

<sup>\*</sup> Maximum value applies to waste characteristics category. \*\* Maximum value not applicable.

# PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT SCORESHEET Brockway Motor Trucks - 09/19/95

SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT Factor Categories & Factors HUMAN FOOD CHAIN THREAT	Maximum Value	Value Assigned
Likelihood of Release		
14. Likelihood of Release (same as line 5)	550	54
Waste Characteristics		
15. Toxicity/Persistence/Bioaccumulation 16. Hazardous Waste Quantity 17. Waste Characteristics	* * 1000	2.00E+00 10 2
Targets		
18. Food Chain Individual 19. Population 19a. Level I Concentrations 19b. Level II Concentrations 19c. Pot. Human Food Chain Contamination	50 ** ** **	0.00E+00 0.00E+00 0.00E+00 0.00E+00
19d. Population (lines 19a+19b+19c) 20. Targets (lines 18+19d)	**	0.00E+00 0.00E+00
21. HUMAN FOOD CHAIN THREAT SCORE	100	0.00

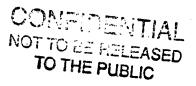
<sup>\*</sup> Maximum value applies to waste characteristics category.

<sup>\*\*</sup> Maximum value not applicable.

# PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT SCORESHEET Brockway Motor Trucks - 09/19/95

SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT Factor Categories & Factors ENVIRONMENTAL THREAT	Maximum Value	Value Assigned
Likelihood of Release		
22. Likelihood of Release (same as line 5)	550	54
Waste Characteristics		
23. Ecosystem Toxicity/Persistence/Bioacc. 24. Hazardous Waste Quantity 25. Waste Characteristics	* * 1000	2.00E+01 10 3
Targets		
26. Sensitive Environments 26a. Level I Concentrations 26b. Level II Concentrations 26c. Potential Contamination 26d. Sensitive Environments (lines 26a+26b+26c) 27. Targets (line 26d)	** ** ** **	0.00E+00 0.00E+00 1.05E-01 1.05E-01
28. ENVIRONMENTAL THREAT SCORE	60	0.00
29. WATERSHED SCORE	100	0.00
30. SW: OVERLAND/FLOOD COMPONENT SCORE (Sof)	100	0.00

<sup>\*</sup> Maximum value applies to waste characteristics category.

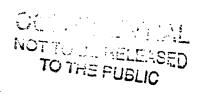


<sup>\*\*</sup> Maximum value not applicable.

# PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: GROUND WATER TO SURFACE WATER MIGRATION COMPONENT SCORESHEET Brockway Motor Trucks - 09/19/95

GROUND WATER TO SURFACE WATER MIGRATION COMPONENT Factor Categories & Factors DRINKING WATER THREAT	Maximum Value	Value Assigned
Likelihood of Release to Aquifer Aquifer: Fill/Shallow Outwash		
<ol> <li>Observed Release</li> <li>Potential to Release</li> <li>Containment</li> <li>Net Precipitation</li> <li>Depth to Aquifer</li> <li>Travel Time</li> <li>Potential to Release         <ul> <li>[lines 2a(2b+2c+2d)]</li> </ul> </li> </ol>	550 10 10 5 35	0 10 6 5 35
3. Likelihood of Release Waste Characteristics	550	460
4. Toxicity/Mobility/Persistence 5. Hazardous Waste Quantity 6. Waste Characteristics	* * 100	4.00E-03 10 1
Targets		
7. Nearest Intake 8. Population 8a. Level I Concentrations 8b. Level II Concentrations 8c. Potential Contamination 8d. Population (lines 8a+8b+8c) 9. Resources 10. Targets (lines 7+8d+9)	50 ** ** ** 5 **	0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 5.00E+00
11. DRINKING WATER THREAT SCORE	100	0.03

<sup>\*</sup> Maximum value applies to waste characteristics category.



<sup>\*\*</sup> Maximum value not applicable.

# PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: GROUND WATER TO SURFACE WATER MIGRATION COMPONENT SCORESHEET Brockway Motor Trucks - 09/19/95

GROUND WATER TO SURFACE WATER MIGRATION COMPONENT Factor Categories & Factors HUMAN FOOD CHAIN THREAT	Maximum Value	Value Assigned
Likelihood of Release		
12. Likelihood of Release (same as line 3)	550	460
Waste Characteristics		
13. Toxicity/Mobility/Persistence/Bioacc. 14. Hazardous Waste Quantity 15. Waste Characteristics	* * 1000	2.00E-02 10 1
Targets		
16. Food Chain Individual 17. Population	50	0.00E+00
17a. Level I Concentrations	**	0.00E+00
17b. Level II Concentrations 17c. Pot. Human Food Chain Contamination		0.00E+00 1.50E-05
17d. Population (lines 17a+17b+17c)	**	1.50E-05
18. Targets (lines 16+17d)	**	1.50E-05
19. HUMAN FOOD CHAIN THREAT SCORE	100	0.00

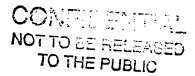
<sup>\*</sup> Maximum value applies to waste characteristics category.

<sup>\*\*</sup> Maximum value not applicable.

# PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: GROUND WATER TO SURFACE WATER MIGRATION COMPONENT SCORESHEET Brockway Motor Trucks - 09/19/95

GROUND WATER TO SURFACE WATER MIGRATION COMPONENT Factor Categories & Factors ENVIRONMENTAL THREAT	Maximum Value	Value Assigned
Likelihood of Release		
20. Likelihood of Release (same as line 3)	550	460
Waste Characteristics		
21. Ecosystem Tox./Mobility/Persist./Bioacc. 22. Hazardous Waste Quantity 23. Waste Characteristics	* * 1000	2.00E-01 10 1
Targets		
24. Sensitive Environments 24a. Level I Concentrations 24b. Level II Concentrations 24c. Potential Contamination 24d. Sensitive Environments (lines 24a+24b+24c) 25. Targets (line 24d)	** ** ** **	0.00E+00 0.00E+00 5.25E-02 5.25E-02 5.25E-02
26. ENVIRONMENTAL THREAT SCORE	60	0.00
27. WATERSHED SCORE	100	0.03
28. SW: GW to SW COMPONENT SCORE (Sgs)	. 100	0.03

<sup>\*</sup> Maximum value applies to waste characteristics category.



<sup>\*\*</sup> Maximum value not applicable.

### PREscore 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 9 SOIL EXPOSURE PATHWAY SCORESHEET Brockway Motor Trucks - 09/19/95

SOIL EXPOSURE PATHWAY Factor Categories & Factors RESIDENT POPULATION THREAT	Maximum Value	Value Assigned
Likelihood of Exposure		
1. Likelihood of Exposure	550	0
Waste Characteristics		
2. Toxicity 3. Hazardous Waste Quantity 4. Waste Characteristics	* * 100	0.00E+00 0 0
Targets		
5. Resident Individual 6. Resident Population	50	0.00E+00
6a. Level I Concentrations 6b. Level II Concentrations 6c. Resident Population (lines 6a+6b) 7. Workers 8. Resources	** ** ** 15	0.00E+00 0.00E+00 0.00E+00 0.00E+00
9. Terrestrial Sensitive Environments 10. Targets (lines 5+6c+7+8+9)	***	0.00E+00 0.00E+00
11. RESIDENT POPULATION THREAT SCORE	**	0.00E+00

<sup>\*</sup> Maximum value applies to waste characteristics category.

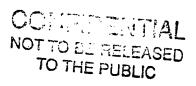
<sup>\*\*</sup> Maximum value not applicable.

<sup>\*\*\*</sup> No specific maximum value applies, see HRS for details.

## PREscore 3.0 - PRESCORE.TCL File 07/25/94 SOIL EXPOSURE PATHWAY SCORESHEET Brockway Motor Trucks - 09/19/95

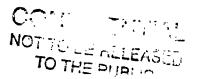
SOIL EXPOSURE PATHWAY Factor Categories & Factors NEARBY POPULATION THREAT	Maximum Value	Value Assigned
Likelihood of Exposure		
12. Attractiveness/Accessibility 13. Area of Contamination 14. Likelihood of Exposure	100 100 500	0.00E+00 0.00E+00 0.00E+00
Waste Characteristics		
15. Toxicity 16. Hazardous Waste Quantity 17. Waste Characteristics	* * 100	0.00E+00 0 0
Targets		
18. Nearby Individual 19. Population Within 1 Mile 20. Targets (lines 18+19)	1 ** **	0.00E+00 0.00E+00 0.00E+00
21. NEARBY POPULATION THREAT SCORE	**	0.00E+00
SOIL EXPOSURE PATHWAY SCORE (Ss)	100	0.00

<sup>\*</sup> Maximum value applies to waste characteristics category. \*\* Maximum value not applicable.



### PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 11 AIR PATHWAY SCORESHEET Brockway Motor Trucks - 09/19/95

AIR MIGRATION PATHWAY Factor Categories & Factors Value Maximum Value Assigned Likelihood of Release 1. Observed Release 550 0 2. Potential to Release 2a. Gas Potential to Release 500 0 2b. Particulate Potential to Release 500 0 2c. Potential to Release 500 0 3. Likelihood of Release 550 Waste Characteristics 4. Toxicity/Mobility 0.00E+00 5. Hazardous Waste Quantity \* 0 6. Waste Characteristics 100 0 Targets 7. Nearest Individual 50 0.00E+00 8. Population 8a. Level I Concentrations \*\* 0.00E+00 8b. Level II Concentrations \*\* 0.00E+00 8c. Potential Contamination \*\* 0.00E+00 8d. Population (lines 8a+8b+8c) 0.00E+00 9. Resources 0.00E+00 10. Sensitive Environments 10a. Actual Contamination \*\*\* 0.00E+00 10b. Potential Contamination \*\*\* 0.00E+00 10c. Sens. Environments(lines 10a+10b) \*\*\* 0.00E+00 11. Targets (lines 7+8d+9+10c) 0.00E+00 AIR MIGRATION PATHWAY SCORE (Sa) 0.00E+00 100



<sup>\*</sup> Maximum value applies to waste characteristics category.

<sup>\*\*</sup> Maximum value not applicable.

<sup>\*\*\*</sup> No specific maximum value applies, see HRS for details.

### PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 12 WASTE QUANTITY Brockway Motor Trucks - 09/19/95

WASTESTREAM QUANTITY SUMMARY TABLE, SOURCE: Contaminated soil

a. Wastestream ID	
b. Hazardous Constituent Quantity (C) (lbs.)	0.00
c. Data Complete?	NO
d. Hazardous Wastestream Quantity (W) (lbs.)	0.00
e. Data Complete?	NO
f. Wastestream Quantity Value (W/5,000)	0.00E+00

TO THE PUBLIC

# PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 WASTE QUANTITY

Brockway Motor Trucks - 09/19/95

### 2. SOURCE HAZARDOUS WASTE QUANTITY FACTOR TABLE

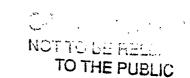
a. Source ID	Contaminated soil
b. Source Type	Contaminated Soil
c. Secondary Source Type	N.A.
d. Source Vol.(yd3/gal)   Source Area (ft2)	0.00   1.00
e. Source Volume/Area Value	2.94E-05
f. Source Hazardous Constituent Quantity (HCQ) Value (sum of 1b)	0.00E+00
g. Data Complete?	NO
h. Source Hazardous Wastestream Quantity (WSQ) Value (sum of 1f)	0.00E+00
i. Data Complete?	NO
k. Source Hazardous Waste Quantity (HWQ) Value (2e, 2f, or 2h)	2.94E-05

Source Hazardous Substances	Depth (feet)	Liquid	Concent.	Units
Trichloroethane, 1,1,1-	> 2	YES	9.3E-01	ppm

#### Documentation for Source Type:

In July 1987, NUS performed an SI. As a part of the SI, NUS collected samples from the wells installed around the removed UST and from soil locations throughout the site. The samples were analyzed for CLP parameters. Results from this sampling indicate the presence of 1,1,1-TCA at concentrations three times background in a soil sample collected from the site.

Reference: 17, pp. 1,3,5 of 8; 9, pp. 1-60 of 60



PAGE:

Documentation for Source Hazardous Substances:

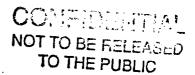
Only 1,1,1-TCA has been assigned to the source. During a SI at the site, monitoring wells previous installed at the site were sampled. These monitoring wells were installed around a previously removed underground storage tank. Lead was found to be present at concentrations three times above background levels in samples collected from down gradient wells relative to the levels of the up gradient well sample. As there is no other possbile source for the lead, it is probable that the lead was associated with gasoline stored in the removed UST. It has been excluded from evaluation from the site due to the CERCLA petroluem exclusion. During the SI, 1,1,1-TCA (used at the site) was detected in an on-site soil sample at a concentration exceeding three times background (background: SS-01 was non-detect).

Reference: 17, pp. 3,5 of 8; 9, pp. 42, 48 of 60

Documentation for Source Area:

No source area can be documented for the sample (SS-02) used to characterize the source. The old drum storage area and the area of the 1987 TCA spill occured in the vicinity of the SS-03 soil sample location. TCA was not detected in this soil sample. A minimum value of 1 square foot has been assigned for evaluation purposes.

Reference: 30, p 2 of 4



PAGE:

# PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 WASTE QUANTITY

Brockway Motor Trucks - 09/19/95

3. SITE HAZARDOUS WASTE QUANTITY SUMMARY

No. Source ID	_	Vol. or Area Value (2e)	Constituent or Wastestream Value (2f,2h)	Hazardous Waste Qty. Value (2k)
1 Contaminated soil	GW-SW	2.94E-05	0.00E+00	2.94E-05

PAGE:

# PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 WASTE QUANTITY

Brockway Motor Trucks - 09/19/95

### 4. PATHWAY HAZARDOUS WASTE QUANTITY AND WASTE CHARACTERISTICS SUMMARY TABLE

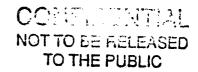
Migration Pathway	Contaminant Value	es	HWQVs*	WCVs**
Ground Water	Toxicity/Mobility	1.00E-02	10	1
SW: Overland Flow, DW	Tox./Persistence	4.00E-01	10	1
SW: Overland Flow, HFC	Tox./Persis./Bioacc.	2.00E+00	10	2
SW: Overland Flow, Env	Etox./Persis./Bioacc.	2.00E+01	10	3
SW: GW to SW, DW	Tox./Persistence	4.00E-03	10	1
SW: GW to SW, HFC	Tox./Persis./Bioacc.	2.00E-02	10	1
SW: GW to SW, Env	Etox./Persis./Bioacc.	2.00E-01	10	1
Soil Exposure:Resident	Toxicity	0.00E+00	0	0
Soil Exposure: Nearby	Toxicity	0.00E+00	0	0
Air	Toxicity/Mobility	0.00E+00	0	0

<sup>\*</sup> Hazardous Waste Quantity Factor Values

Note:

SW = Surface Water GW = Ground Water

DW = Drinking Water Threat HFC = Human Food Chain Threat Env = Environmental Threat



PAGE:

<sup>\*\*</sup> Waste Characteristics Factor Category Values

# PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 GROUND WATER PATHWAY AQUIFER SUMMARY Brockway Motor Trucks - 09/19/95

PAGE: 17

 No. Aquifer ID	Туре	Overlaying No.	Inter- Connected with	Likelihood of Release	Targets
1 Fill/Shallow Outwash 2 Lower Outwash Depos			0	460 460	4.30E+02 4.30E+02

## Containment

-----

No.	Source ID	HWQ Value	Containment	Value
1	Contaminated soil	2.94E-05	10	
	Contain	ment Factor	10	

Documentation for Ground Water Containment, Source Contaminated soil:

There is no evidence of a liner or other containment for the contaminated soil. A groundwater containment factor of 10 was chosen.

Reference: 17, pp. 1-4, 6-8 of 8

# Net Precipitation

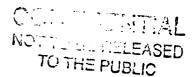
Net Precipitation (inches)

N.A.

Documentation for Net Precipitation:

The net precipitation factor was chosen from HRS Figure 3-2.

Reference: 1, p. 1 of 1



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 18
GROUND WATER PATHWAY LIKELIHOOD OF RELEASE Fill/Shallow Outwash AQUIFER
Brockway Motor Trucks - 09/19/95

Aquifer: Fill/Shallow Outwash

Type of Aquifer: Non Karst

Overlaying Aquifer: 0

Interconnected with: 0

Documentation for Fill/Shallow Outwash Aquifer:

The fill/shallow outwash aquifer is an average of 44 feet thick and consists of sand, gravel, silt, and trace cinders. In the East Branch and Tioughnioga River valleys, the outwash forms a water-table aquifer consisting of variably silty sand and gravel. These deposits have a conductivity value of 1 X 10-4. Groundwater flow direction is generally toward the Tioughnoiga River, toward the east.

Underlying the fill/shallow outwash deposits are Lacustrine deposits. These deposits consist of silt and clay. The depth of the Lacustrine deposits vary, but the average thickness has been estimated to be 95 feet. These deposits have a conductivity value of 1 X 10-6 and are not known to be used for drinking water purposes.

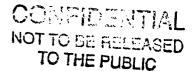
Reference: 17, pp. 5-8 of 8; 19, 1-3 of 3; 20, pp. 1-8,12-16,18-20 of 20

**OBSERVED RELEASE** 

No. Well ID Well Type (miles) Level of Contamination

- N/A and/or data not specified

Observed Release Factor



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 19
GROUND WATER PATHWAY LIKELIHOOD OF RELEASE Fill/Shallow Outwash AQUIFER
Brockway Motor Trucks - 09/19/95

POTENTIAL TO RELEASE

Containment

Containment Factor 10

Net Precipitation

Net Precipitation Factor 6

Depth to Aquifer

A. Depth of Hazardous Substances 1.00 feet

Documentation for Depth of Hazardous Substances:

The exact depth of contamination is not known. The depth at which sample SS-02 was collected is unknown. A depth of 1 feet has been assigned to the contamination.

Reference: 30, pp. 1-4 of 4

B. Depth to Aquifer from Surface 0.00 feet

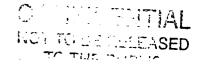
Documentation for Depth to Aquifer from Surface :

This aguifer starts at the surface.

Additional References: 20, pp. 1-7, 14-16, 18, 19 of 20

Reference: 17, pp. 5-8 of 8; 19, pp. 1-3 of 3

C. Depth to Aquifer (B - A) 0.00 feet



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 20
GROUND WATER PATHWAY LIKELIHOOD OF RELEASE Fill/Shallow Outwash AQUIFER
Brockway Motor Trucks - 09/19/95

Depth to Aquifer Factor

5

Travel Time

Are All Layers Karst?

NO

Documentation for Karst Layers:

This aguifer is not known to be karst.

Additional References:

Reference: 17, pp. 5-8 of 8; 19, pp. 1-3 of 3

Thickness of Layer(s) with Lowest Conductivity 0.00 feet

Documentation for Thickness of Layers with Lowest Conductivity:

A value of zero has been entered for the thickness of the layer between the contamination and top of the aquifer, since the contamination is located within the upper boundaries of the aquifer.

Additional References: 20, pp. 1-7, 14-16, 18, 19 of 20

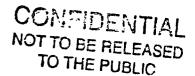
Reference: 17, pp. 5-8 of 8; 19, pp. 1-3 of 3

Hydraulic Conductivity (cm/sec)

0.0E-00

Documentation for Hydraulic Conductivity:

A hydraulic conductivity of 0 was assigned as there is no layer with between the depth of hazardous substances and the aquifer being evaluated.



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 21
GROUND WATER PATHWAY LIKELIHOOD OF RELEASE Fill/Shallow Outwash AQUIFER
Brockway Motor Trucks - 09/19/95

Reference: 1, p. 1 of 1

Travel Time Factor

35

Potential to Release Factor

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 22
GROUND WATER PATHWAY LIKELIHOOD OF RELEASE Lower Outwash Deposits AQUIFER
Brockway Motor Trucks - 09/19/95

Aquifer: Lower Outwash Deposits

Type of Aquifer: Non Karst

Overlaying Aquifer: 1

Interconnected with: 1

Documentation for Lower Outwash Deposits Aquifer:

The Lower Outwash Deposits consists of sand and gravel, and underlies the Lacustrine Deposits. This aquifer has an average thickness of 80 feet. The Lacustrine Deposits separate the Lower Outwash Aquifer from the Fill/Surficial Outwash Deposits at the site. Drinking water supply wells are completed in this aquifer. The lower outwash deposits have a conductivity value of 1 X 10-4 and has a general flow direction toward the Tioughnioga River.

Underlying the lower outwash formation is the Till/Genesee Group consisting of silt and clay with sand and gravel and shale. This group extends across the valley and is the bedrock layer across the valley. The average thickness of the group is >100 feet. Its conductivity value is 1 X 10-8. It is not known to be utilized for drinking water purposes.

Reference: 1, p. 1 of 1; 15, p. 2 of 3; 20, pp. 1-10, 12, 14, 17 of 20

**OBSERVED RELEASE** 

No. Well ID Well Type (miles) Level of Contamination

- N/A and/or data not specified

Observed Release Factor

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 23
GROUND WATER PATHWAY LIKELIHOOD OF RELEASE Lower Outwash Deposits AQUIFER
Brockway Motor Trucks - 09/19/95

POTENTIAL TO RELEASE

Containment

Containment Factor

10

Net Precipitation

Net Precipitation Factor

6

Depth to Aquifer

A. Depth of Hazardous Substances

1.00 feet

Documentation for Depth of Hazardous Substances:

The exact depth of the contamination is not known. The depth at which sample SS-02 was collected is unknown. A depth of 1 feet has been assigned for depth of contamination.

Reference: 30, pp. 1-4 of 4

B. Depth to Aquifer from Surface

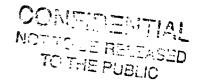
139.00 feet

Documentation for Depth to Aquifer from Surface :

The Fill/Surficial Outwash Deposit and the Lacustrine Deposits overlie the Lower Outwash Deposits. The total thickness of these deposits is 139 feet. A value 139 feet has been assigned as the depth to the top of the aquifer.

Additional References: 20, pp. 1-9, 14-16, 18, 19 of 20

Reference: 17, pp. 5-8 of 8; 19, pp. 1-3 of 3



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 24
GROUND WATER PATHWAY LIKELIHOOD OF RELEASE Lower Outwash Deposits AQUIFER
Brockway Motor Trucks - 09/19/95

C. Depth to Aquifer (B - A)

138.00 feet

Depth to Aquifer Factor

3

Travel Time

Are All Layers Karst?

NO

Documentation for Karst Layers:

There are no known karst layers in between the contamination and the top of the lower outwash deposits aquifer.

Additional References: 20, pp. 1-9, 14-16, 18, 19 of 20

Reference: 17, pp. 5-8 of 8; 19, pp. 1-3 of 3

Thickness of Layer(s) with Lowest Conductivity 95.00 feet

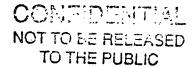
Documentation for Thickness of Layers with Lowest Conductivity:

The layer with the lowest hydraulic conductivity is the Lacustrine Deposits. The average thickness of the layer is 95 feet.

Reference: 20, pp. 1-9 of 20

Hydraulic Conductivity (cm/sec)

1.0E-06



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 25
GROUND WATER PATHWAY LIKELIHOOD OF RELEASE Lower Outwash Deposits AQUIFER
Brockway Motor Trucks - 09/19/95

Documentation for Hydraulic Conductivity:

A hydraulic conductivity of 1.0E-06 was taken from HRS Table 3-6 based on the soil type (silts and clays).

Reference: 1, p. 1 of 1

Travel Time Factor

15

240

Potential to Release Factor

NOT TO BE RELEASED TO THE PUBLIC

# PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 GROUND WATER PATHWAY WASTE CHARACTERISTICS Brockway Motor Trucks - 09/19/95

PAGE: 26

Source: 1 Contaminated soil

Source Hazardous Waste Quantity Value: 0.00

Hazardous Substance	Toxicity Value	Mobility Value	Toxicity/ Mobility Value	
Trichloroethane, 1,1,1-	1	1.00E-02	1.00E-02	

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 GROUND WATER PATHWAY WASTE CHARACTERISTICS Brockway Motor Trucks - 09/19/95

PAGE: 27

Hazardous Substances Found in an Observed Release

Well Observed Release No. Hazardous Substance

Toxicity Mobility Toxicity/ Value Value Mobility Mobility

Value

- N/A and/or data not specified

Toxicity/Mobility Value from Source Hazardous Substances:	1.00E-02
Toxicity/Mobility Value from Observed Release Hazardous Substances:	0.00E+00
Toxicity/Mobility Factor:	1.00E-02
Sum of Source Hazardous Waste Quantity Values:	2.94E-05
Hazardous Waste Quantity Factor:	10

Waste Characteristics Factor Category:

PREscore 3.0 - PRESCORE.TCL File 07/25/94

GROUND WATER PATHWAY WASTE CHARACTERISTICS
Brockway Motor Trucks - 09/19/95

PAGE:

28

# PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE GROUND WATER PATHWAY TARGETS FOR AQUIFER Fill/Shallow Outwash Brockway Motor Trucks - 09/19/95

Population by Well

			Distance	Level of	
No.	Well ID	Sample Type	(miles)	Contamination Population	

- N/A and/or data not specified

Level I Population Factor: 0.00

Level II Population Factor: 0.00

# PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE GROUND WATER PATHWAY TARGETS FOR AQUIFER Fill/Shallow Outwash Brockway Motor Trucks - 09/19/95

## Potential Contamination by Distance Category

Distance Category (miles)	Population	Value
> 0 to 1/4	0.0	0.00E+00
> 1/4 to 1/2	3.0	2.00E-01
> 1/2 to 1	46.0	1.70E+00
> 1 to 2	20734.0	2.94E+02
> 2 to 3	3026.0	6.78E+01
> 3 to 4	7791.0	4.17E+01

Potential Contamination Factor:

405.000

Documentation for Target Population > 0 to 1/4 mile Distance Category:

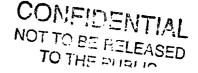
There are no known private or municipal drinking water wells within the 0 to 0.25 mile radius from the site.

Reference: 5, p. 10 of 10; 15, pp. 1-3 of 3

Documentation for Target Population > 1/4 to 1/2 mile Distance Category:

A population of 3 people were determined to be on private wells in the 0.25 to 0.5 mile radius from the site. There are no municipal wells within this radius. It is assumed that all private wells are completed in the shallow aquifer.

Reference: 5, p. 10 of 10; 15, pp. 1-3 of 3



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE
GROUND WATER PATHWAY TARGETS FOR AQUIFER Fill/Shallow Outwash
Brockway Motor Trucks - 09/19/95

Documentation for Target Population > 1/2 to 1 mile Distance Category:

A population of 46 people were determined to be on private wells in the 0.5 to 1.0 mile radius from the site. There are no municipal wells within this radius. It is assumed that all private wells are completed in the shallow aguifer.

Reference: 5, p. 9 of 10; 15, pp. 1-3 of 3

Documentation for Target Population > 1 to 2 miles Distance Category:

A population of 734 people were determined to be on private wells as well as 20,000 people from public water supply wells in the 1.0 to 2.0 mile radius from the site. It is assumed that all private wells are completed in the shallow aquifer.

The Cortland Water Board serves a total of 20,000 people with Wells #3, #4 and #5 located approximately 1.25 miles, 1.3 miles and 1.3 miles, respectively from the site. These wells are finished in the shallow aquifer.

Reference: 5, p. 9 of 10; 15, p. 1 of 3

Documentation for Target Population > 2 to 3 miles Distance Category:

A population of 1026 people were determined to be on private wells as well as 2,000 people from public water supply wells in the 2.0 to 3.0 mile radius from the site. It is assumed that all private wells are completed in the shallow aquifer.

The Cortlandville Water Department serves a total of 4,000 people via four groundwater wells. Three of these wells are located within this radius approximately 2.5 miles from the site. Well #3 supplies approximately 25% of the total water supply, Well #2 supplies approximately 12% of the total water supply and Well #1 supplies approximately 13% of the total water supply for the 4,000 people. A ll three wells are completed in the shallow aguifer.

Reference: 5, p. 9 of 10; 15, p. 1 of 3; 31, p. 2 of 8

NOT TO BE RELEASED TO THE PUBLIC Brockway Motor Trucks - 09/19/95

Documentation for Target Population > 3 to 4 miles Distance Category:

A population of 1391 people were determined to be on private wells as well as 6,400 people from public water supply wells in the 3.0 to 4.0 mile radius from the site. It is assumed that all private wells are completed in the shallow aquifer.

Two municipal supply wells are located within this radius. The Lime Hollow well is one of four wells utilzed by the Cortlandville Water Department to supply a total of 4,000 people. This well is located approximately 3.8 miles from the site and supplies 50% of Cortlandville's total water supply. The Homer Well #3 is used by the Newton Water Works for 100% of their water supply distributed to 4,400 people. The well is located approximately 3.1 miles from the site. Both municipal supply wells are completed in the shallow aquifer.

Reference: 5, p. 9 of 10; 15, 1, 2 of 3; 31, p. 5 of 8

Nearest Well

Level of Contamination: Potential

Distance in miles: 0.25

Nearest Well Factor: 2.00E+01

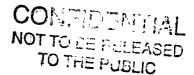
Documentation for Nearest Well:

There are approximately 3 people utilizing private wells within the 0.25 to 0.5 mile radius of the site. Although the exact location of the well(s) has not been determined, the distance to the nearest well has been assigned a value of 0.25 mile.

Reference: 5, p. 10 of 10

Resources

Resource Use: YES



# PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE GROUND WATER PATHWAY TARGETS FOR AQUIFER Fill/Shallow Outwash Brockway Motor Trucks - 09/19/95

Resource Factor: 5.00E+00

Documentation for Resources:

The groundwater is used for watering of commercial dairy cows.

Reference: 28, p. 1 of 1

# Wellhead Protection Area

No wellhead protection area

Wellhead Protection Area Factor: 0.00E+00

#### Documentation for Wellhead Protection Area:

There is no wellhead protection area for the municipal water supply wells within the four mile TDL.

Reference: 28, p. 1 of 1

# PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: GROUND WATER PATHWAY TARGETS FOR AQUIFER Lower Outwash Deposits Brockway Motor Trucks - 09/19/95

34

Population by Well

				Distance	Level of
No.	Well ID	•	Sample Type	(miles)	Contamination Population

- N/A and/or data not specified

Level I Population Factor: 0.00

Level II Population Factor: 0.00

# PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: GROUND WATER PATHWAY TARGETS FOR AQUIFER Lower Outwash Deposits Brockway Motor Trucks - 09/19/95

## Potential Contamination by Distance Category

Distance Category (miles)	Population	Value	
> 0 to 1/4	0.0	0.00E+00	
> 1/4 to 1/2	0.0	0.00E+00	
> 1/2 to 1	0.0	0.00E+00	
> 1 to 2	0.0	0.00E+00	
> 2 to 3	0.0	0.00E+00	
> 3 to 4	1300.0	1.31E+01	

Potential Contamination Factor:

13.000

Documentation for Target Population > 3 to 4 miles Distance Category:

No private wells were determined to be drawing water from this aquifer. However, the Village of McGraw supplies water to 1,300 people via two municipal supply wells located approximately 3.8 miles from the site. These wells withdraw water from the lower outwash aquifer.

Reference: 15, p. 2 of 3; 31, p. 7 of 8

## Nearest Well

Level of Contamination: Potential

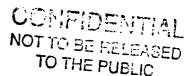
Distance in miles: 3.80

Nearest Well Factor: 2.00E+00

#### Documentation for Nearest Well:

There are two municipal supply wells withdrawing water from the lower outwash, approximately 3.8 miles from the site.

Reference: 15, p. 2 of 3



36

# PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE GROUND WATER PATHWAY TARGETS FOR AQUIFER Lower Outwash Deposits Brockway Motor Trucks - 09/19/95

Resources

Resource Use: NO

Resource Factor: 0.00E+00

Documentation for Resources:

Reference:

Wellhead Protection Area

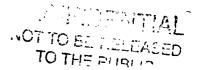
No wellhead protection area

Wellhead Protection Area Factor: 0.00E+00

Documentation for Wellhead Protection Area:

There is no wellhead protection area for the municipal wells within the 4-mile TDL.

Reference: 28; p. 1 of 1



# PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 SURFACE WATER PATHWAY SEGMENT SUMMARY Brockway Motor Trucks - 09/19/95

PAGE: 37

No. Segment ID	Segment Type	Water Type	Start Point (mi)	End Point (mi)	Average Flow (cfs)	
1 Tioughnioga River	River	Fresh	-0.50	15.00	498	

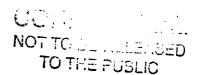
Documentation for segment: Tioughnioga River:

The surface runoff from the site will drain into the storm sewer, which runs eastward toward the Tioughnioga River. The outfall of the storm sewer into the Tioughnioga River is due east of the site and is the Probable Point of Entry (PPE) for the overland flow component of the surface water pathway. The PPE of the groundwater to surface water flow component is approximately 0.5 miles upstream from the overland flow component PPE.

This segment covers the entire 15 mile Target Distance Limit (TDL) for the surface water pathway. There are no major streams or rivers combining with the Tioughnioga River within the 15 mile TDL. There also is no obvious major change in flow on the Tioughnioga River.

There is a USGS gauging station approximately one block up stream from the PPE. The average annual mean flow rate for this station was 498 cubic feet-per-second (cfs). This annual flow rate has been assigned for this entire segment.

Reference: 10, p. 3 of 3; 4, p. 1 of 1



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 38

SURFACE WATER PATHWAY OVERLAND FLOW/FLOOD COMPONENT LIKELIHOOD OF RELEASE
Brockway Motor Trucks - 09/19/95

OBSERVED RELEASE

No. Sample ID Sample Type Distance Level of Contamination (miles) DW HFC Env

- N/A and/or data not specified

Observed Release Factor

CONTRACTOR TO THE PURISH

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 39
SURFACE WATER PATHWAY OVERLAND FLOW/FLOOD COMPONENT LIKELIHOOD OF RELEASE
Brockway Motor Trucks - 09/19/95

POTENTIAL TO RELEASE

Potential to Release by Overland Flow

Containment

-----

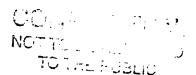
 Source ID	-	Containment Value
 Contaminated soil		9

Containment Factor: 9

Documentation for Overland Flow Containment, Source Contaminated soil:

The sample (SS-02) used to characterize the source was collected from an area which is currently covered by a building. Although there is no evidence of hazardous substance migration or no functioning and maintained run-on control system or a leachate collection system, the presence of the building functions as a maintained engineered cover. A containment factor value of 9 has been chosen as per CFR Table 3-2.

Reference: 1, p. 1 of 1; 8, p. 13 of 38; 30, p. 2 of 4



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 40
SURFACE WATER PATHWAY OVERLAND FLOW/FLOOD COMPONENT LIKELIHOOD OF RELEASE
Brockway Motor Trucks - 09/19/95

# Distance to Surface Water

Distance to Surface Water:

2900.0 feet

Distance to Surface Water Factor:

6

Documentation for Distance to Surface Water:

The distance to the eastern edge of the property straight along Central Avenue to the Tioughnioga River on the 7.5 minute series USGS topo map.

Reference: 3, p. 1 of 1

### Runoff

A. Drainage Area:

24.4 acres

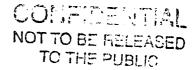
Documentation for Drainage Area:

The drainage area of the site was taken to be the total area of the site. The site is surrounded by roads or railroad tracks. There will be no additional runoff onto the site.

Reference: 3, p. 1 of 1

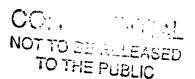
B. 2-year, 24-hour Rainfall:

3.0 inches



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 41 SURFACE WATER PATHWAY OVERLAND FLOW/FLOOD COMPONENT LIKELIHOOD OF RELEASE Brockway Motor Trucks - 09/19/95 Documentation for Rainfall: The 2-year, 24-hour rainfall for the site was taken from the Rainfall Frequency Atlas. Reference: 18, p. 2 of 2 C. Soil Group: Coarse-textured soils with high infiltration rates Documentation for Soil Group: Course textured soil with a high filtration rate was chosen based on the soil boring logs from the installation of the monitoring wells. Reference: 17, pp. 6-8 of 8 Runoff Factor: 0

Potential to Release by Overland Flow Factor: 54



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 42
SURFACE WATER PATHWAY OVERLAND FLOW/FLOOD COMPONENT LIKELIHOOD OF RELEASE
Brockway Motor Trucks - 09/19/95

Potential to Release by Flood

Flood Flood Potential
Containment Frequency to Release
No. Source ID HWQ Value Value Value by Flood

- N/A and/or data not specified

Potential to Release by Flood Factor: 0

Documentation for Flood Containment, Source Contaminated soil:

The sample (SS-02) used to characterize the source was collected from an area currently covered by a building. As per CFR Table 4-8, the building acts as a designed, constructed, operated and maintained to prevent a washout of hazardous substances by the flood.

Reference: 1, p. 1 of 1; 8, p. 13 of 38; 30, p. 2 of 4

Documentation for Flood Frequency, Source Contaminated soil:

The entire source is outside the 500-year flood plain.

Reference: 7, p. 3 of 3



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 43
SW PATHWAY: OVERLAND/FLOOD DRINKING WATER THREAT WASTE CHARACTERISTICS
Brockway Motor Trucks - 09/19/95

Source: 1 Contaminated soil

Source Hazardous Waste Quantity Value: 0.00

Hazardous Substance	Toxicity Value	Persistence Value	Toxicity/ Persistence Value
Trichloroethane, 1,1,1-	1	4.00E-01	4.00E-01

PREscore 3.0 - PRESCORE.TCL File 07/25/94 PAGE: SW PATHWAY: OVERLAND/FLOOD DRINKING WATER THREAT WASTE CHARACTERISTICS Brockway Motor Trucks - 09/19/95

Hazardous Substances Found in an Observed Release

Sample Observed Release No. Hazardous Substance

Toxicity Persistence Toxicity/

Value Value Persistence Value

- N/A and/or data not specified

Toxicity/Persistence value from Source Mazardous Substances:	4.00E-01
Toxicity/Persistence Value from Observed Release Hazardous Substances:	0.00E+00
Toxicity/Persistence Factor:	4.00E-01
Sum of Source Hazardous Waste Quantity Values:	2.94E-05
Hazardous Waste Quantity Factor:	10
Waste Characteristics Factor Category:	1

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 46
SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT DRINKING WATER THREAT TARGETS
Brockway Motor Trucks - 09/19/95

### Level I Concentrations

- N/A and/or data not specified

### Level II Concentrations

- N/A and/or data not specified

# Most Distant Level I Sample

- N/A and/or data not specified

## Most Distant Level II Sample

- N/A and/or data not specified

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 47
SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT DRINKING WATER THREAT TARGETS
Brockway Motor Trucks - 09/19/95

Level I Concentrations

Distance Along the

In-water Segment from the

Intake Probable Point of Entry (miles) Population

- N/A and/or data not specified

Population Served by Level I Intakes: 0.0

Level I Population Factor: 0.00E+00

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 48
SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT DRINKING WATER THREAT TARGETS
Brockway Motor Trucks - 09/19/95

Level II Concentrations

Intake

Distance Along the

In-water Segment from the

Probable Point of Entry (miles) Population

- N/A and/or data not specified

Population Served by Level II Intakes:

0.0

Level II Population Factor: 0.00E+00

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT DRINKING WATER THREAT TARGETS Brockway Motor Trucks - 09/19/95

Potential Contamination

Intake ID

Average Annual Flow (cfs)

Population Served

- N/A and/or data not specified

Type of Surface Water Body

Total Population

Dilution-Weighted Population

- N/A and/or data not specified

Dilution-Weighted Population Served by Potentially Contaminated Intakes:

0.0

Potential Contamination Factor: 0.0

Nearest Intake

Location of Nearest Drinking Water Intake: N.A.

Nearest Intake Factor: 0.00

Resources \_\_\_\_\_

Resource Use: YES

Resource Value: 5.00E+00

Documentation for Resources:

The Tioughnioga River is utilized as a resource since it is a fresh water fishery.

Reference: 11, pp. 1, 3 of 3

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 50 SW PATHWAY: OVERLAND/FLOOD HUMAN FOOD CHAIN THREAT WASTE CHARACTERISTICS Brockway Motor Trucks - 09/19/95

Source: 1 Contaminated soil

Source Hazardous Waste Quantity Value: 0.00

Hazardous Substance	Toxicity Value	Persistence Value	Bio- accum. Value	Toxicity/ Persistence/ Bioaccum. Value
Trichloroethane, 1,1,1-	1	4.00E-01	5.00E+00	2.00E+00

PREscore 3.0 - PRESCORE.TCL File 07/25/94 PAGE: SW PATHWAY: OVERLAND/FLOOD HUMAN FOOD CHAIN THREAT WASTE CHARACTERISTICS Brockway Motor Trucks - 09/19/95

Hazardous Substances Found in an Observed Release

Sample Observed Release Toxicity Persistence Bio-No. Hazardous Substance Value Value accum.

Persistence/ Bioaccum. Value Value

Toxicity/

- N/A and/or data not specified

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 52
SW PATHWAY: OVERLAND/FLOOD HUMAN FOOD CHAIN THREAT WASTE CHARACTERISTICS
Brockway Motor Trucks - 09/19/95

Substances:	2.00E+00
Toxicity/Persistence/Bioaccumulation Value from Observed Release Hazardous Substances:	0.00E+00
Toxicity/Persistence/Bioaccumulation Factor:	2.00E+00
Sum of Source Hazardous Waste Quantity Values:	2.94E-05
Hazardous Waste Quantity Factor:	10
Waste Characteristics Factor Category:	2

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 53
SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT HUMAN FOOD CHAIN THREAT TARGETS
Brockway Motor Trucks - 09/19/95

### Level I Concentrations

- N/A and/or data not specified

### Level II Concentrations

- N/A and/or data not specified

## Most Distant Level I Sample

- N/A and/or data not specified

# Most Distant Level II Sample

- N/A and/or data not specified

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 54
SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT HUMAN FOOD CHAIN THREAT TARGETS
Brockway Motor Trucks - 09/19/95

Level I Concentrations

Fishery Annual Production Human (pounds) Popul

Human Food Chain Population Value

- N/A and/or data not specified

Sum of Human Food Chain Population Values: 0.00E+00

Level I Concentrations Factor: 0.00E+00

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 55
SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT HUMAN FOOD CHAIN THREAT TARGETS
Brockway Motor Trucks - 09/19/95

Level II Concentrations

Annual Production Human Food Chain Fishery (pounds) Population Value

- N/A and/or data not specified

\_\_\_\_\_\_\_\_

Sum of Human Food Chain Population Values: 0.00E+00

Level II Concentrations Factor: 0.00E+00

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 56
SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT HUMAN FOOD CHAIN THREAT TARGETS
Brockway Motor Trucks - 09/19/95

## Potential Contamination

Type of Average

Annnual Surface Annual Pop. Dilution

Production Water Flow Value Weight

Fishery (pounds) Body (cfs) (Pi) (Di) Pi\*Di

- N/A and/or data not specified

Sum of (Pi\*Di): 0.00E+00

Potential Human Food Chain Contamination Factor: 0.00E+00

Documentation for Tioughnioga River Fishery:

The east branch of the Tioughnioga River is stocked with brown trout. Production values were not available. A production value of 1 pound of fish per year has been assigned for evaluation purposes.

Reference: 11, p. 3 of 3

Food Chain Individual

Location of Nearest Fishery: N.A.

Food Chain Individual Factor: 0.00

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 57
SW PATHWAY: OVERLAND FLOW/FLOOD ENVIRONMENTAL THREAT WASTE CHARACTERISTICS
Brockway Motor Trucks - 09/19/95

Source: 1 Contaminated soil

Source Hazardous Waste Quantity Value: 0.00

Hazardous Substance	Eco- toxicity Value	Persistence Value	Bio- accum. Value	Ecotoxicity/ Persistence/ Bioaccum. Value
Trichloroethane, 1,1,1-	10	4.00E-01	5.00E+00	2.00E+01

PREscore 3.0 - PRESCORE.TCL File 07/25/94 SW PATHWAY: OVERLAND FLOW/FLOOD ENVIRONMENTAL THREAT WASTE CHARACTERISTICS Brockway Motor Trucks - 09/19/95

Hazardous Substances Found in an Observed Release

Sample Observed Release Hazardous Substance

Ecotoxicity Persistence Bio- Persistence/ Value Value accum.

Bioaccum. Value Value

Ecotoxicity/

- N/A and/or data not specified

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 59
SW PATHWAY: OVERLAND FLOW/FLOOD ENVIRONMENTAL THREAT WASTE CHARACTERISTICS
Brockway Motor Trucks - 09/19/95

Hazardous Substances:	2.00E+01
Ecotoxicity/Persistence/Bioaccummulation Value from Observed Release Hazardous Substances:	0.00E+00
Ecotoxicity/Persistence/Bioaccummulation Factor:	2.00E+01
Sum of Source Hazardous Waste Quantity Values:	2.94E-05
Hazardous Waste Quantity Factor:	10
Waste Characteristics Factor Category:	3

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 60
SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT ENVIRONMENTAL THREAT TARGETS
Brockway Motor Trucks - 09/19/95

### Level I Concentrations

- N/A and/or data not specified

### Level II Concentrations

- N/A and/or data not specified

## Most Distant Level I Sample

- N/A and/or data not specified

# Most Distant Level II Sample

- N/A and/or data not specified

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 61
SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT ENVIRONMENTAL THREAT TARGETS
Brockway Motor Trucks - 09/19/95

### Level I Concentrations

Sensitive Environment	Distance from Point of Entry Sensitive Env.	to	
- N/A and/or data not s	specified		
Sum of Sensitive Environme	ents Values:		0
Wetlands			
Point	ance from Probable t of Entry to and (miles)	Wetla	nds age (miles)
- N/A and/or data not s	specified		
Total Wetlands Frontage:	0.00 Miles	Total Wetland	s Value: 0
Sum of Sensitive Environme	ents Value + Wetla	======================================	======================================

Level I Concentrations Factor: 0.00E+00

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 62
SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT ENVIRONMENTAL THREAT TARGETS
Brockway Motor Trucks - 09/19/95

## Level II Concentrations

Sensitive Environment	Distance from Distance from Desirt of Entry Sensitive Env.	to Environment			
- N/A and/or data n	ot specified				
Sum of Sensitive Environments Values: 0					
Wetlands					
P	vistance from Probable Point of Entry to Vetland (miles)	Wetlands Frontage (miles)			
- N/A and/or data not specified					
Total Wetlands Frontag	e: 0.00 Miles	Total Wetlands Value: 0			
Sum of Sensitive Environments Value + Wetlands Value: 0.00E+00					

Level II Concentrations Factor: 0.00E+00

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 63
SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT ENVIRONMENTAL THREAT TARGETS
Brockway Motor Trucks - 09/19/95

Potential Contamination

Sensitive Environments

Type of Surface Water Body	Sensitive Environment	Sensitive Environment Value
River	20 Tioughnioga River	5

Wetlands

Type of Surface Water Body	Sensitive Environme	Wetlands ent Frontage	Wetlands Value
River	1 PFO1A	0.20	25
River	2 R2USA	0.30	25
River	3 P(FO/EM)1A	0.10	25
River	4 P(FO/EM) 1A	0.10	25
River	5 P(EM/FO)1A	0.48	25
River	6 P(EM/SS)1A	0.20	25
River	7 R2USA	0.24	25
River	8 R2USA	0.20	25
River	9 R2USA	0.12	25
River	10 PFO1A	0.36	25
River	11 R4SBC	0.16	25
River	12 PSS1A	0.20	25
River	13 R2USA	0.20	25
River	14 R2USA	0.10	25
River	15 PSS1A	0.20	25
River	16 PSS1A	0.10	25
River	17 PFO1A	0.10	25
River	18 R2USA	0.28	25
River	19 PFO1A	0.10	25

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 64
SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT ENVIRONMENTAL THREAT TARGETS
Brockway Motor Trucks - 09/19/95

Documentation for Sensitive Environment PFO1A:

Qualifying wetland was located on NWI quad amps. Linear frontage and the distance from the PPE were measured using a map wheel. One linear mile on the USGS 7.5 minute based maps = 2.5 map wheel units (MWU). Linear frontage measurements were begun at the first point of the wetland and ended at the endpoint of the wetland fronting the Tioughnioga River, for a total frontage value of 0.5 MWU or 0.2 miles. The distance from the PPE was approximately 2.44 miles.

Reference: 4, p. 1 of 1

Documentation for Sensitive Environment R2USA:

The total frontage value was 0.75 MWU or 0.3 miles. The distance from the PPE was approximately 4.46 miles.

Reference: 4, p. 1 of 1

Documentation for Sensitive Environment P(FO/EM) 1A:

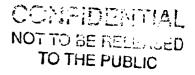
The total frontage value was 0.25 MWU or 0.1 miles. The distance from the PPE was approximately 5.86 miles.

Reference: 4, p. 1 of 1

Documentation for Sensitive Environment P(FO/EM) 1A:

The total frontage value was 0.25 MWU or 0.1 miles. The distance from the PPE was approximately 6.06 miles.

Reference: 4, p. 1 of 1



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 65
SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT ENVIRONMENTAL THREAT TARGETS
Brockway Motor Trucks - 09/19/95

Documentation for Sensitive Environment P(EM/FO)1A:

The total frontage value was 1.2 MWU or 0.48 miles. The distance from the PPE was approximately 6.14 miles.

Reference: 4, p. 1 of 1

Documentation for Sensitive Environment P(EM/SS)1A:

The total frontage value was 0.5 MWU or 0.2 miles. The distance from the PPE was approximately 7.14 miles.

Reference: 4, p. 1 of 1

Documentation for Sensitive Environment R2USA:

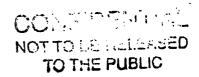
The total frontage value was 0.6 MWU or 0.24 miles. The distance from the PPE was approximately 8.86.

Reference: 4, p. 1 of 1

Documentation for Sensitive Environment R2USA:

The total frontage value was 0.5 MWU or 0.2 miles. The distance from the PPE was 9.0 miles.

Reference: 4, p. 1 of 1



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 66
SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT ENVIRONMENTAL THREAT TARGETS
Brockway Motor Trucks - 09/19/95

Documentation for Sensitive Environment R2USA:

The total frontage value was 0.3 or 0.12 miles. The distance from the PPE was approximately 9.68 miles.

Reference: 4, p. 1 of 1

Documentation for Sensitive Environment PFO1A:

The total frontage value was 0.9 MWU or 0.36 miles. The distance from the PPE was 10.5 miles.

Reference: 4, p. 1 of 1

Documentation for Sensitive Environment R4SBC:

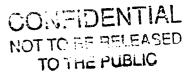
The total frontage value was 0.4 MWU or 0.16 miles. The distance from the PPE was approximately 12.22 miles.

Reference: 4, p. 1 of 1

Documentation for Sensitive Environment PSS1A:

The total frontage value was 0.5 MWU or 0.2 miles. The distance from the PPE was 12.36 miles.

Reference: 4, p. 1 of 1



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 67
SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT ENVIRONMENTAL THREAT TARGETS
Brockway Motor Trucks - 09/19/95

Documentation for Sensitive Environment R2USA:

The total frontage value was 0.5 MWU or 0.2 miles. The distance from the PPE was 12.38 miles.

Reference: 4, p. 1 of 1

Documentation for Sensitive Environment R2USA:

The total frontage value was 0.25 MWU or 0.1 miles. The distance from the PPE was 12.42 miles.

Reference: 4, p. 1 of 1

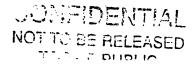
Documentation for Sensitive Environment PSS1A:

The total frontage value was 0.5 MWU or 0.2 miles. The distance from the PPE was approximately 12.9 miles.

Reference: 4, p. 1 of 1

Documentation for Sensitive Environment PSS1A:

The total frontage value was 0.25 MWU or 0.1 miles. The distance from the PPE was approximately 13.1 miles.



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 68
SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT ENVIRONMENTAL THREAT TARGETS
Brockway Motor Trucks - 09/19/95

Documentation for Sensitive Environment PFO1A:

The total frontage value was 0.25 MWU or 0.1 miles. The distance from the PPE was approximately 13.2 miles.

Reference: 4, p. 1 of 1

Documentation for Sensitive Environment R2USA:

The total frontage value was 0.7 MWU or 0.28 miles. The distance from the PPE was approximately 13.3 miles.

Reference: 4, p. 1 of 1

Documentation for Sensitive Environment PFO1A:

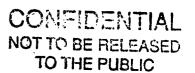
The total frontage value was 0.25 MWU or 0.1 miles. The distance from the PPE was approximately 13.94 miles.

Reference: 4, p. 1 of 1

Documentation for Sensitive Environment Tioughnioga River:

The Tioughnioga is classified as a Class B fresh surface water. This is a state designated area for the protection or maintenance of aquatic life. As per HRS Table 4-23, it is assigned a value of 5.

Reference: 1, p. 1 of 1; 32, p. 2 of 2



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 69
SW PATHWAY: OVERLAND FLOW/FLOOD COMPONENT ENVIRONMENTAL THREAT TARGETS
Brockway Motor Trucks - 09/19/95

Type of Surface Water Body	Sum of Sens. Environment Values(Sj)	Frontage	Weight	Dj(Wj+sj)
Moderate to Large Stream	5	100	1.00E-02	1.05E+00

Sum of Dj(Wj+Sj)/10: 1.05E-01

1.05E+00

Sum of Dj(Wj+Sj):

Potential Contamination Sensitive Environment Factor: 1.05E-01

# PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 SURFACE WATER PATHWAY GW TO SW CONTAINMENT SUMMARY Brockway Motor Trucks - 09/19/95

PAGE: 70

Containment

No.	Source ID	HWQ Value	Containment	
1	Contaminated soil		10	
===:	*=====================================			
	Contain	ment Factor	10	

Documentation for Ground Water Containment, Source Contaminated soil:

There is no evidence of a liner or other containment for the contaminated soil. A groundwater containment factor of 10 was chosen.

Reference: 17, pp. 1-4, 6-8 of 8

Net Precipitation

Net Precipitation (inches)

0.00

Documentation for Net Precipitation:

The net precipitation factor was chosen from HRS Figure 3-2.

Aquifer: Fill/Shallow Outwash

Type of Aquifer: Non Karst

Overlaying Aquifer: 0

Interconnected with: 0

Documentation for Fill/Shallow Outwash Aquifer:

The fill/shallow outwash aquifer is an average of 44 feet thick and consists of sand, gravel, silt, and trace cinders. In the East Branch and Tioughnioga River valleys, the outwash forms a water-table aquifer consisting of variably silty sand and gravel. These deposits have a conductivity value of 1 X 10-4. Groundwater flow direction is generally toward the Tioughnoiga River, toward the east.

Underlying the fill/shallow outwash deposits are Lacustrine deposits. These deposits consist of silt and clay. The depth of the Lacustrine deposits vary, but the average thickness has been estimated to be 95 feet. These deposits have a conductivity value of 1 X 10-6 and are not known to be used for drinking water purposes.

Reference: 17, pp. 5-8 of 8; 19, 1-3 of 3; 20, pp. 1-8,12-16,18-20 of 20

**OBSERVED RELEASE** 

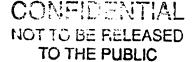
No. Well ID Well Type (miles) Level of Contamination

- N/A and/or data not specified

Observed Release Factor

0

71



# PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: SURFACE WATER PATHWAY GW TO SW COMPONENT LIKELIHOOD OF RELEASE Brockway Motor Trucks - 09/19/95

POTENTIAL TO RELEASE

Ground Water to Surface Water Angle

Probable Point of Entry -0.50 miles

Angle Theta 175

Documentation for Ground to Surface Water PPE and Angle Theta:

The Probable Point of Entry (PPE) of the ground water to surface water is approximately 0.5 miles upstream from the PPE for the surface water segment. The angle theta was taken to be the angle made between the two points at the intersection of the Tioughnioga River and the 1 mile radius and the center of the site. This angle was measured by hand from the 4-mile radius map.

Reference: 3, p. 1 of 1; 20, p. 20 of 20

## Containment

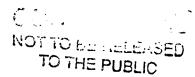
Containment Factor 10

Net Precipitation

Net Precipitation Factor 6

Depth to Aquifer

A. Depth of Hazardous Substances 1.00 feet



73

PREscore 3.0 - PRESCORE.TCL File 07/25/94 PAGE: SURFACE WATER PATHWAY GW TO SW COMPONENT LIKELIHOOD OF RELEASE Brockway Motor Trucks - 09/19/95

Documentation for Depth of Hazardous Substances:

The exact depth of contamination is not known. The depth at which sample SS-02 was collected is unknown. A depth of 1 feet has been assigned to the contamination.

Reference: 30, pp. 1-4 of 4

Depth to Aquifer from Surface

0.00 feet

Documentation for Depth to Aquifer from Surface :

This aguifer starts at the surface.

Additional References: 20, pp. 1-7, 14-16, 18, 19 of 20

Reference: 17, pp. 5-8 of 8; 19, pp. 1-3 of 3

C. Depth to Aquifer (B - A)

0.00 feet

Depth to Aquifer Factor

5

Travel Time

Are All Layers Karst?

NO

Documentation for Karst Layers:

This aquifer is not known to be karst.

Additional References:

Reference: 17, pp. 5-8 of 8; 19, pp. 1-3 of 3

Thickness of Layer(s) with Lowest Conductivity

0.00 feet

74

### PREscore 3.0 - PRESCORE.TCL File 07/25/94 SURFACE WATER PATHWAY GW TO SW COMPONENT LIKELIHOOD OF RELEASE Brockway Motor Trucks - 09/19/95

Documentation for Thickness of Layers with Lowest Conductivity:

A value of zero has been entered for the thickness of the layer between the contamination and top of the aquifer, since the contamination is located within the upper boundaries of the aquifer.

Additional References: 20, pp. 1-7, 14-16, 18, 19 of 20

Reference: 17, pp. 5-8 of 8; 19, pp. 1-3 of 3

Hydraulic Conductivity (cm/sec)

0.0E-00

Documentation for Hydraulic Conductivity:

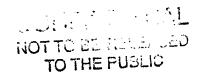
A hydraulic conductivity of 0 was assigned as there is no layer with between the depth of hazardous substances and the aquifer being evaluated.

Reference: 1, p. 1 of 1

Travel Time Factor

35

Potential to Release Factor



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 75
SW PATHWAY: GW TO SW COMPONENT DRINKING WATER THREAT WASTE CHARACTERISTICS
Brockway Motor Trucks - 09/19/95

Source: 1 Contaminated soil

Source Hazardous Waste Quantity Value: 0.00

Hazardous Substance	Factor Value	Value	Mobility Value	Toxicity/ Mobililty/ Persistence
Trichloroethane, 1,1,1-				4.00E-03

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 76
SW PATHWAY: GW TO SW COMPONENT DRINKING WATER THREAT WASTE CHARACTERISTICS
Brockway Motor Trucks - 09/19/95

Hazardous Substances Found in an Observed Release

Observed Release Toxicity Persist. Hazardous Factor Value Substance Value

Toxicity/ Persistence

- N/A and/or data not specified

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 77
SW PATHWAY: GW TO SW COMPONENT DRINKING WATER THREAT WASTE CHARACTERISTICS
Brockway Motor Trucks - 09/19/95

Toxicity/Mobility/Persistence Value from Source Hazardous Substances:	4.00E-03
Toxicity/Mobility/Persistence Value from Observed Release Hazardous Substances:	0.00E+00
Toxicity/Mobility/Persistence Factor:	4.00E-03
Sum of Source Hazardous Waste Quantity Values:	2.94E-05
Hazardous Waste Quantity Factor:	10
Waste Characteristics Factor Category:	1

## Level I Concentrations

- N/A and/or data not specified

#### Level II Concentrations

- N/A and/or data not specified

## Most Distant Level I Sample

- N/A and/or data not specified

## Most Distant Level II Sample

- N/A and/or data not specified

NOTTO THE PUBLIC

78

# PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: SW PATHWAY: GW TO SW COMPONENT DRINKING WATER THREAT TARGETS Brockway Motor Trucks - 09/19/95

Level I Concentrations

Intake

Distance Along the

In-water Segment from the

Probable Point of Entry (miles) Population

- N/A and/or data not specified

Population Served by Level I Intakes:

0.0

Level I Population Factor: 0.00E+00

79

80

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE SW PATHWAY: GW TO SW COMPONENT DRINKING WATER THREAT TARGETS Brockway Motor Trucks - 09/19/95

Level II Concentrations

Intake

Distance Along the

In-water Segment from the

Probable Point of Entry (miles) Population

- N/A and/or data not specified

\_\_\_\_\_\_\_

Population Served by Level II Intakes:

0.0

Level II Population Factor: 0.00E+00

81

Potential Contamination

Intake ID

Average Annual Flow (cfs)

Population Served

- N/A and/or data not specified

Type of Surface Water Body

Total

Dilution-Weighted Population Population

- N/A and/or data not specified

\_\_\_\_\_\_

Dilution-Weighted Population Served by Potentially Contaminated Intakes:

0.0

Potential Contamination Factor: 0.0

-

Nearest Intake

Location of Nearest Drinking Water Intake: N.A.

Nearest Intake Factor: 0.00

Resources \_\_\_\_

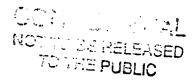
Resource Use: YES

Resource Value: 5.00E+00

Documentation for Resources:

The Tioughnioga River is utilized as a resource since it is a fresh water fishery.

Reference: 11, pp. 1, 3 of 3



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 82
SW PATHWAY: GW TO SW COMPONENT HUMAM FOOD CHAIN THREAT WASTE CHARACTERISTICS
Brockway Motor Trucks - 09/19/95

Source: 1 Contaminated soil

Source Hazardous Waste Quantity Value: 0.00

Hazardous Substance	_	Persist. Value	Mobility Value	Bio- accum. Value	Persistence/ Bioaccum. Value
Trichloroethane, 1,1,1-	1	4.00E-01	1.00E-02	5.00E+00	2.00E-02

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: SW PATHWAY: GW TO SW COMPONENT HUMAM FOOD CHAIN THREAT WASTE CHARACTERISTICS Brockway Motor Trucks - 09/19/95

Hazardous Substances Found in an Observed Release

Observed Release Hazardous Substance

Toxicity Persist. Bio- Persistence Value Value accum. Bioaccum. Value

Toxicity/ Value

- N/A and/or data not specified

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 84
SW PATHWAY: GW TO SW COMPONENT HUMAM FOOD CHAIN THREAT WASTE CHARACTERISTICS
Brockway Motor Trucks - 09/19/95

Toxicity/Mobility/Persistence/Bioaccumulation Value from Source Hazardous Substances:	2.00E-02
Toxicity/Mobility/Persistence/Bioaccumulation Value from Observed Release Hazardous Substances:	0.00E+00
Toxicity/Mobility/Persistence/Bioaccumulation Factor:	2.00E-02
Sum of Source Hazardous Waste Quantity Values:	2.94E-05
Hazardous Waste Quantity Factor:	10
Waste Characteristics Factor Category:	1

# PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: SW PATHWAY: GW TO SW COMPONENT HUMAN FOOD CHAIN THREAT TARGETS Brockway Motor Trucks - 09/19/95

### Level I Concentrations

- N/A and/or data not specified

#### Level II Concentrations

- N/A and/or data not specified

## Most Distant Level I Sample

- N/A and/or data not specified

## Most Distant Level II Sample

- N/A and/or data not specified

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: SW PATHWAY: GW TO SW COMPONENT HUMAN FOOD CHAIN THREAT TARGETS Brockway Motor Trucks - 09/19/95

Level I Concentrations

Fishery

Annual Production Human Food Chain (pounds)

Population Value

86

- N/A and/or data not specified

Sum of Human Food Chain Population Values: 0.00E+00

Level I Concentrations Factor: 0.00E+00

NOTTE LA BLICATION TO THE MUBLIC

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: SW PATHWAY: GW TO SW COMPONENT HUMAN FOOD CHAIN THREAT TARGETS Brockway Motor Trucks - 09/19/95

Level II Concentrations

Annual Production Human Food Chain Fishery (pounds)

Population Value

87

- N/A and/or data not specified

Sum of Human Food Chain Population Values: 0.00E+00

Level II Concentrations Factor: 0.00E+00

NOTITE LEGACED TO WILL PUBLIC

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: SW PATHWAY: GW TO SW COMPONENT HUMAN FOOD CHAIN THREAT TARGETS Brockway Motor Trucks - 09/19/95

## Potential Contamination

Fish	nery	Annnual Production (pounds)	Type of Surface Water Body	Average Annual Flow (cfs)	_	Dilution Weight (Di)	Pi*Di
1 7	Tioughnioga River	1.0	River	498	0.0	5.00E-03	1.50E-04

Sum of (Pi\*Di): 1.50E-04

Potential Human Food Chain Contamination Factor: 1.50E-05

Documentation for Tioughnioga River Fishery:

The east branch of the Tioughnioga River is stocked with brown trout. Production values were not available. A production value of 1 pound of fish per year has been assigned for evaluation purposes.

Reference: 11, p. 3 of 3

## Food Chain Individual

Location of Nearest Fishery: Tioughnioga River

Distance from the Probable Point of Entry: -0.50 miles

Type of Surface Water Body: River

Dilution Weight: 0.0050000

Level of Contamination: Potential

Food Chain Individual Factor: 0.00

### Documentation for Tioughnioga River:

The surface runoff from the site will drain into the storm sewer, which runs eastward toward the Tioughnioga River. The outfall of the storm sewer into the Tioughnioga River is due east of the site and is the Probable Point of Entry (PPE) for the overland flow



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 90
SW PATHWAY: GW TO SW COMPONENT ENVIRONMENTAL THREAT WASTE CHARACTERISTICS
Brockway Motor Trucks - 09/19/95

Source: 1 Contaminated soil

Source Hazardous Waste Quantity Value: 0.00

	Hazardous Substance	_	Persist. Value	Mob. Value	Bio- accum. Value	Ecotoxicity/ Mobility/ Persistence/ Bioaccum. Value
1	Trichloroethane, 1,1,1-	10	4.00E-01	1.00E-02	5.00E+00	2.00E-01

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 91 SW PATHWAY: GW TO SW COMPONENT ENVIRONMENTAL THREAT WASTE CHARACTERISTICS Brockway Motor Trucks - 09/19/95

Hazardous Substances Found in an Observed Release

Observed Release Hazardous Substance

Eco-Value

Value accum. Bioaccum. Value

Ecotoxicity/ toxicity Persist. Bio- Persistence/ Value \_\_\_\_\_

- N/A and/or data not specified

PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 92
SW PATHWAY: GW TO SW COMPONENT ENVIRONMENTAL THREAT WASTE CHARACTERISTICS
Brockway Motor Trucks - 09/19/95

! L	Ecotoxicity/Mobility/Persistence/Bioaccummulation Value from Source Substances:	2.00E-01
)	Ecotoxicity/Mobility/Persistence/Bioaccummulation Value from Observed Hazardous Substances:	0.00E+00
	Ecotoxicity/Mobility/Persistence/Bioaccummulation Factor:	2.00E-01
	Sum of Source Hazardous Waste Quantity Values:	2.94E-05
	Hazardous Waste Quantity Factor:	10
	Waste Characteristics Factor Category:	1

### Level I Concentrations

- N/A and/or data not specified

#### Level II Concentrations

- N/A and/or data not specified

## Most Distant Level I Sample

- N/A and/or data not specified

## Most Distant Level II Sample

- N/A and/or data not specified

93

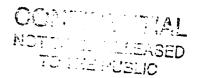
94

# PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: SW PATHWAY: GW TO SW COMPONENT ENVIRONMENTAL THREAT TARGETS Brockway Motor Trucks - 09/19/95

Level I Concentrations

Sensitive Environment	Distance from Point of Entry Sensitive Env.	to	Sensitive Environment Value
- N/A and/or data n	not specified		
Sum of Sensitive Envir	conments Values:		0
Wetlands			
Ī	Distance from Probable Point of Entry to Wetland (miles)		tlands ontage (miles)
- N/A and/or data r	not specified		
Total Wetlands Frontag	ge: 0.00 Miles	Total Wetl	ands Value: 0
Sum of Sensitive Envir	conments Value + Wetla	nds Value:	======================================

Level I Concentrations Factor: 0.00E+00



## PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 95 SW PATHWAY: GW TO SW COMPONENT ENVIRONMENTAL THREAT TARGETS Brockway Motor Trucks - 09/19/95

Level II Concentrations

Sensitive Environment	Distance from Point of Entry Sensitive Env.	to	Environme	
- N/A and/or data not spe	cified			
Sum of Sensitive Environment	s Values:		0	
Wetlands				
Point o	e from Probable of Entry to l (miles)	We	tlands ontage (miles	5)
- N/A and/or data not spe	cified	<del>-</del>		
Total Wetlands Frontage:	0.00 Miles	Total Wetl	ands Value:	0
Sum of Sensitive Environment	s Value + Wetla	nds Value:	0.00E+00	

Level II Concentrations Factor: 0.00E+00

## PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAG SW PATHWAY: GW TO SW COMPONENT ENVIRONMENTAL THREAT TARGETS Brockway Motor Trucks - 09/19/95

Potential Contamination

Sensitive Environments

Type of Surface
Water Body
River

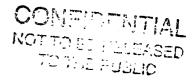
Sensitive
Environment
Value

20 Tioughnioga River

5

Wetlands

Type of Surface Water Body	Sensitive Environment	Wetlands Frontage	Wetlands Value
River	1 PFO1A	0.20	25
River	2 R2USA	0.30	25
River	3 P(FO/EM)1A	0.10	25
River	4 P(FO/EM) 1A	0.10	25
River	5 P(EM/FO)1A	0.48	25
River	6 P(EM/SS)1A	0.20	25
River	7 R2USA	0.24	25
River	8 R2USA	0.20	25
River	9 R2USA	0.12	25
River	10 PFO1A	0.36	25
River	11 R4SBC	0.16	25
River	12 PSS1A	0.20	25
River	13 R2USA	0.20	25
River	14 R2USA	0.10	25
River	15 PSS1A	0.20	25
River	16 PSS1A	0.10	25
River	17 PFO1A	0.10	25
River	18 R2USA	0.28	25
River	19 PFO1A	0.10	25



SW PATHWAY: GW TO SW COMPONENT ENVIRONMENTAL THREAT TARGETS

Brockway Motor Trucks - 09/19/95

Documentation for Sensitive Environment PFO1A:

Qualifying wetland was located on NWI quad amps. Linear frontage and the distance from the PPE were measured using a map wheel. One linear mile on the USGS 7.5 minute based maps = 2.5 map wheel units (MWU). Linear frontage measurements were begun at the first point of the wetland and ended at the endpoint of the wetland fronting the Tioughnioga River, for a total frontage value of 0.5 MWU or 0.2 miles. The distance from the PPE was approximately 2.44 miles.

Reference: 4, p. 1 of 1

Documentation for Sensitive Environment R2USA:

The total frontage value was 0.75 MWU or 0.3 miles. The distance from the PPE was approximately 4.46 miles.

Reference: 4, p. 1 of 1

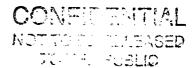
Documentation for Sensitive Environment P(FO/EM)1A:

The total frontage value was 0.25 MWU or 0.1 miles. The distance from the PPE was approximately 5.86 miles.

Reference: 4, p. 1 of 1

Documentation for Sensitive Environment P(FO/EM)1A:

The total frontage value was 0.25 MWU or 0.1 miles. The distance from the PPE was approximately 6.06 miles.



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE:
SW PATHWAY: GW TO SW COMPONENT ENVIRONMENTAL THREAT TARGETS
Brockway Motor Trucks - 09/19/95

Documentation for Sensitive Environment P(EM/FO)1A:

The total frontage value was 1.2 MWU or 0.48 miles. The distance from the PPE was approximately 6.14 miles.

Reference: 4, p. 1 of 1

Documentation for Sensitive Environment P(EM/SS)1A:

The total frontage value was 0.5 MWU or 0.2 miles. The distance from the PPE was approximately 7.14 miles.

Reference: 4, p. 1 of 1

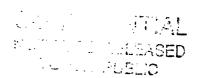
Documentation for Sensitive Environment R2USA:

The total frontage value was 0.6 MWU or 0.24 miles. The distance from the PPE was approximately 8.86.

Reference: 4, p. 1 of 1

Documentation for Sensitive Environment R2USA:

The total frontage value was 0.5 MWU or 0.2 miles. The distance from the PPE was 9.0 miles.



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGESW PATHWAY: GW TO SW COMPONENT ENVIRONMENTAL THREAT TARGETS

Brockway Motor Trucks - 09/19/95

Documentation for Sensitive Environment R2USA:

The total frontage value was 0.3 or 0.12 miles. The distance from the PPE was approximately 9.68 miles.

Reference: 4, p. 1 of 1

Documentation for Sensitive Environment PFO1A:

The total frontage value was 0.9 MWU or 0.36 miles. The distance from the PPE was 10.5 miles.

Reference: 4, p. 1 of 1

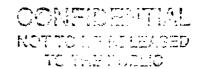
Documentation for Sensitive Environment R4SBC:

The total frontage value was 0.4 MWU or 0.16 miles. The distance from the PPE was approximately 12.22 miles.

Reference: 4, p. 1 of 1

Documentation for Sensitive Environment PSS1A:

The total frontage value was 0.5 MWU or 0.2 miles. The distance from the PPE was 12.36 miles.



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 100 SW PATHWAY: GW TO SW COMPONENT ENVIRONMENTAL THREAT TARGETS Brockway Motor Trucks - 09/19/95

Documentation for Sensitive Environment R2USA:

The total frontage value was 0.5 MWU or 0.2 miles. The distance from the PPE was 12.38 miles.

Reference: 4, p. 1 of 1

Documentation for Sensitive Environment R2USA:

The total frontage value was 0.25 MWU or 0.1 miles. The distance from the PPE was 12.42 miles.

Reference: 4, p. 1 of 1

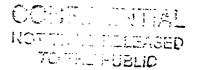
Documentation for Sensitive Environment PSS1A:

The total frontage value was 0.5 MWU or 0.2 miles. The distance from the PPE was approximately 12.9 miles.

Reference: 4, p. 1 of 1

Documentation for Sensitive Environment PSS1A:

The total frontage value was 0.25 MWU or 0.1 miles. The distance from the PPE was approximately 13.1 miles.



PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 101
SW PATHWAY: GW TO SW COMPONENT ENVIRONMENTAL THREAT TARGETS
Brockway Motor Trucks - 09/19/95

Documentation for Sensitive Environment PFO1A:

The total frontage value was 0.25 MWU or 0.1 miles. The distance from the PPE was approximately 13.2 miles.

Reference: 4, p. 1 of 1

Documentation for Sensitive Environment R2USA:

The total frontage value was 0.7 MWU or 0.28 miles. The distance from the PPE was approximately 13.3 miles.

Reference: 4, p. 1 of 1

Documentation for Sensitive Environment PFO1A:

The total frontage value was 0.25 MWU or 0.1 miles. The distance from the PPE was approximately 13.94 miles.

Reference: 4, p. 1 of 1

Documentation for Sensitive Environment Tioughnioga River:

The Tioughnioga is classified as a Class B fresh surface water. This is a state designated area for the protection or maintenance of aquatic life. As per HRS Table 4-23, it is assigned a value of 5.

Reference: 1, p. 1 of 1; 32, p. 2 of 2



## PRESCORE 3.0 - PRESCORE.TCL File 07/25/94 PAGE: 102 SW PATHWAY: GW TO SW COMPONENT ENVIRONMENTAL THREAT TARGETS Brockway Motor Trucks - 09/19/95

Type of Surface Water Body		Sum of Wetland Frontage Values(Wj	Dilution Weight () (Dj)	Dj(Wj+Sj)
Moderate to Large Stream	5	100	5.00E-03	5.25E-01
				5.25E-01 5.25E-02

Potential Contamination Sensitive Environment Factor: 5.25E-02

NOTE: SEP